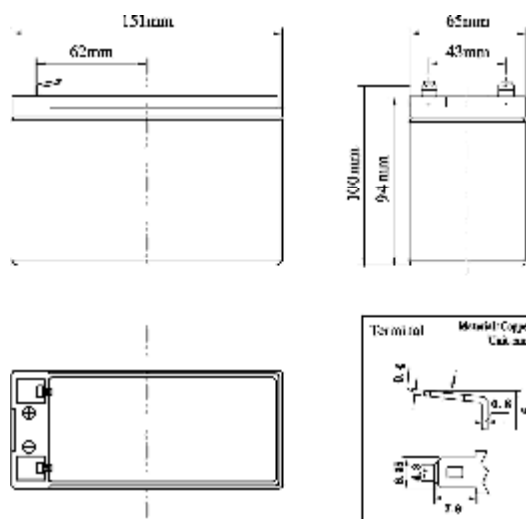


Product Image



Product Dimensions



Characteristics

Nominal Voltage		12V
Nominal Capacity (20 hour rate)		7Ah
Capacity 25°C (77°F)	10 hour rate (0.67A)	6.7Ah
	5 hour rate (1.25A)	6.25Ah
	1 hour rate (4.62A)	4.62Ah
Internal Resistance	Full Charged Battery 25°C	≤22mΩ
Capacity affected by Temperature (10 hour)	40°C (104°F)	102%
	25°C (77°F)	100%
	0°C (32°F)	85%
	-15°C (5°F)	65%
Self-Discharge 25°C (77°F) Capacity	after 3 month storage	90%
	after 6 month storage	80%
	after 12 month storage	62%
Charge (Constant Voltage) 25°C (77°F)	Float	Initial Charging Current Less than 2.1A Voltage 13.6-13.8V
	Cycle	Initial Charging Current Less than 2.1A Voltage 14.4-15.0V

Packaging

Battery Dimensions	Length	151mm
	Width	65mm
	Height	94mm
	Total Height	100mm
Box Dimensions	Length	364mm
	Width	165mm
	Height	141mm
Quantity Per Box		5 pcs per box
Net weight Per Cell		2.05 kg±100g
Net weight Per Box		10.17kg
Gross Weight		10.7kg

Discharge Constant Current per Cell (Amperes at 77°F 25°C)

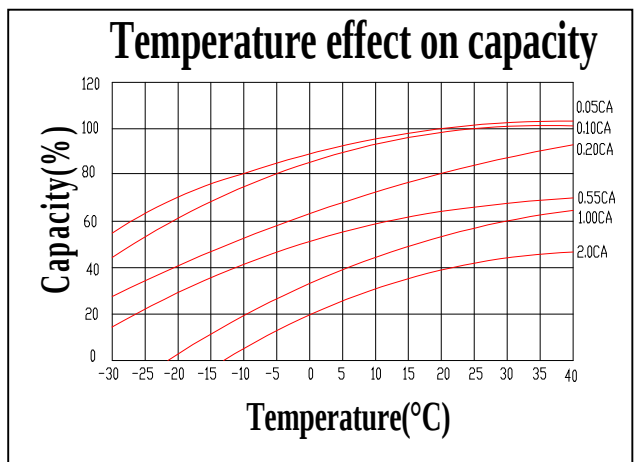
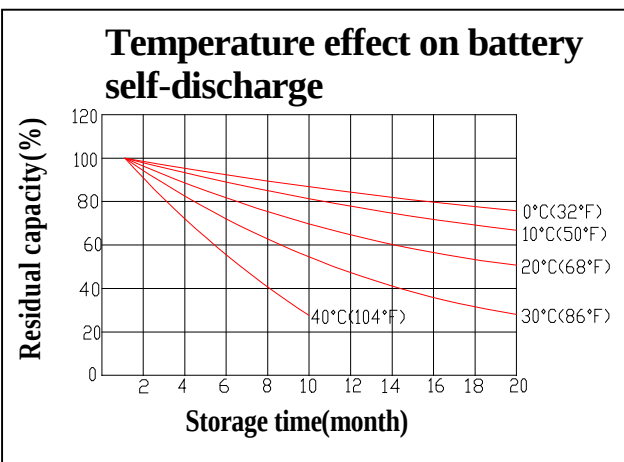
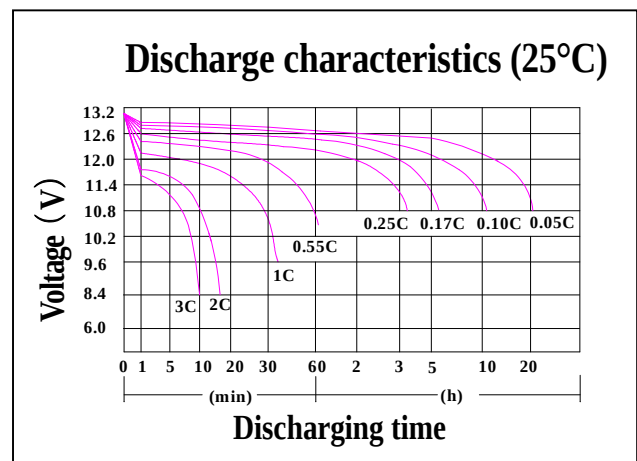
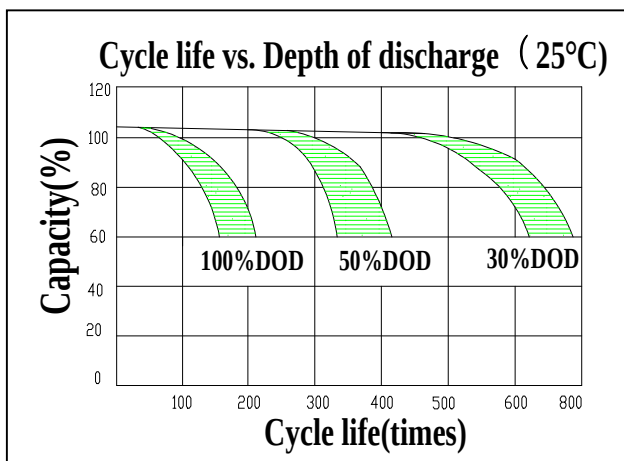
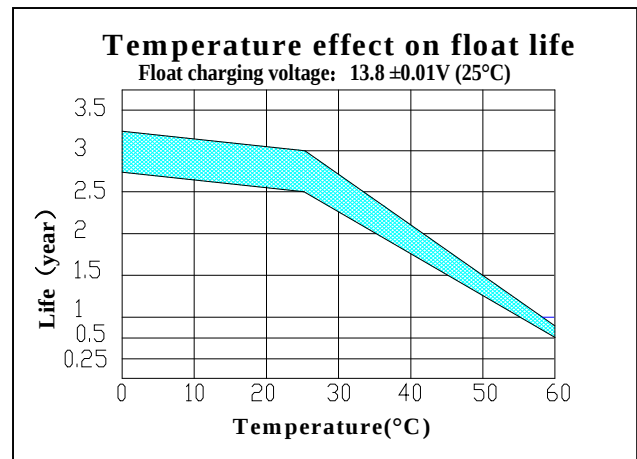
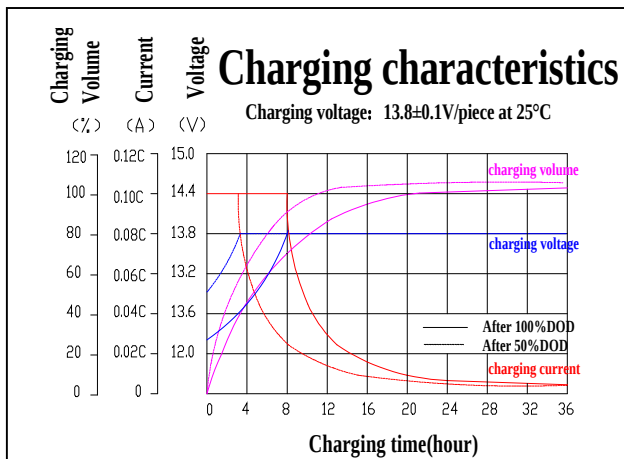
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	22.4	15.0	11.3	7.48	5.24	4.67	2.89	1.98	1.32	0.89	0.73	0.39
1.65V	22.0	14.7	11.1	7.34	5.14	4.51	2.84	1.94	1.30	0.87	0.72	0.38
1.70V	21.6	14.4	10.8	7.21	5.05	4.35	2.78	1.91	1.27	0.85	0.71	0.37
1.75V	21.2	14.1	10.6	7.07	4.95	4.19	2.73	1.87	1.25	0.84	0.69	0.36
1.80V	20.4	13.6	10.2	6.80	4.76	4.03	2.63	1.80	1.20	0.81	0.67	0.35

Discharge Constant Power per Cell (Watts at 77°F 25°C)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	43.2	28.8	21.7	14.40	10.08	8.99	5.56	3.81	2.54	1.71	1.41	0.74
1.65V	42.4	28.3	21.3	14.14	9.90	8.68	5.46	3.74	2.49	1.68	1.39	0.73
1.70V	41.6	27.8	20.9	13.88	9.71	8.37	5.36	3.67	2.45	1.65	1.36	0.71
1.75V	40.8	27.2	20.5	13.61	9.53	8.06	5.26	3.60	2.40	1.61	1.33	0.70
1.80V	39.3	26.2	19.7	13.09	9.16	7.75	5.05	3.46	2.31	1.55	1.28	0.67

Note The above data are average values, and can be obtained within 3 charge/discharge cycles. These are not minimum values. Cell and battery designs/specifications are subject to modification without notice. Contact MCA for the latest information.

Performance Characteristics



Battery Construction

Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Si-Rubber	Copper	Fiberglass	Sulfuric acid

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